## **Claims**

## What is claimed is:

- 1. An encapsulated electrophoretic display, comprising one or more species of particles, each having a distinct electrophoretic mobility, wherein at least one of said species of particles is retroreflective.
- 2. The display of claim 1, wherein said display comprises a capsule in a binder encapsulating said one or more species of particles.
- 3. The display of claim 1, wherein said one or more species of particles are corner cubes.
- 4. The display of claim 1, wherein said one or more species of particles has a reflective coating.
- 5. The display of claim 1, further comprising a suspending fluid having a density substantially matched to the density of said one or more species of particles.
- 6. The display of claim 5, wherein said suspending fluid is a halogenated hydrocarbon.
- 7. The display of claim 6, wherein said suspending fluid is tetrachloroethylene.
- 8. The display of claim 6, wherein said suspending fluid is poly(chlorotrifluoroethylene) polymer.
- 9. The display of claim 8, wherein said polymer has a degree of polymerization from about 2 to about 10.

- 10. The display of claim 5, wherein said suspending fluid comprises a mixture of two or more fluids.
- 11. The display of claim 5, further comprising an oil-soluble dye in said suspending fluid, said dye being selected from the group consisting of anthraquinone, azo, and triphenylmethane type dyes.
- 12. The display of claim 5, further comprising a surfactant in said suspending fluid.
- 13. The display of claim 12, wherein said surfactant is sodium dodecylsulfate.
- 14. The display of claim 2, wherein said binder is selected from the group consisting of water-soluble polymers, water-dispersed polymers, oil-soluble polymers, thermoset polymers, thermoplastic polymers, uv-cured polymers, radiation-cured polymers, gelatin arabic, gum arabic, polyurethanes, polyamides, urea formaldehyde resin, melamine formaldehyde resin, cellulose, cellulose derivatives, polyvinylacetates, and polyvinylalcohol.
- 15. The display of claim 14, wherein said binder further comprises an additive selected from the group consisting of organic surfactants, organic salts, organic particles, and organic pigments.
- 16. The display of claim 1, wherein said one or more species of particles are titania.
- 17. The display of claim 1, wherein said one or more species of particles are metal oxide-coated titania.
- 18. The display of claim 17, wherein said metal oxide is selected from the group consisting of aluminum oxide and silicon oxide.
- 19. The display of claim 18, wherein said metal oxide-coated titania comprises two layers of metal oxide coating.

- 20. The display of claim 19, wherein said titania is coated with both aluminum oxide and silicon oxide in either order.
- 21. The display of claim 1, further comprising a charge control agent.
- 22. The display of claim 21, wherein said charge control agent is polyisobutylenesuccinimide.
- 23. The display of claim 21, wherein said charge control agent is a metal soap.
- 24. The display of claim 21, wherein said charge control agent is lecithin.